

PATENT

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:  
GARDNER WOODS et al.

Application No.: 10/817,355

Filed: April 1, 2004

For: SUBSTRATE PROXIMITY PROCESSING  
STRUCTURES AND METHODS FOR USING  
AND MAKING THE SAME

)  
) Group Art Unit: 1765  
)  
) Examiner: Unassigned  
)  
) Atty. Docket No. LAM2P472  
)  
) Date: July 14, 2006

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on July 14, 2006.

Signed: \_\_\_\_\_

Sylvia Castillo

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, (the copies of references which are not U.S. Patents have been attached), may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to consider these references and to acknowledge such consideration by initialing the appropriate location on the attached PTO Form 1449.

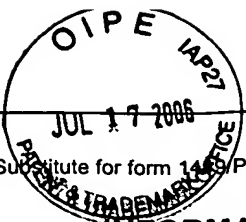
This Information Disclosure Statement (IDS) is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This IDS is believed to be filed before the mailing date of a first Office Action. Accordingly, it is believed that no fees are due in connection with the filing of this IDS. However, if it is determined that any fees are due, then the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0805 (Order No. LAM2P472).

Respectfully submitted,  
MARTINE PENILLA & GENCARELLA, LLP

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 <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)</p>				<b>Complete if Known</b>	
				Application Number	10/817,355
				Filing Date	April 1, 2004
				First Named Inventor	WOODS
				Art Unit	1765
				Examiner Name	Unassigned
Sheet	1	of	4	Attorney Docket Number	LAM2P472

### U.S. Patent Documents

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A	2003/0091754 A1	05/15/03	Chihani et al.	
	B	2003/0092264 A1	05/15/03	Shinji et al.	
	C	2004/0060573 A1	04/01/04	Woods	
	D	2004/0069319 A1	04/15/04	Boyd et al.	
	E	2004/0069329 A1	04/15/04	de Larios et al.	
	F	2004/0136494 A1	07/15/04	Lof et al.	
	G	2004/0178060 A1	09/16/04	Ravkin et al.	
	H	2004/0182422 A1	09/23/04	Boyd et al.	
	I	2005/0132515 A1	12/18/03	Boyd et al.	
	J	2005/0139318 A1	06/30/05	Woods et al.	
	K	2005/0145265 A1	07/07/05	Ravkin et al.	
	L	2005/0145267 A1	04/01/04	Korolik et al.	

### Foreign Patent Documents

Examiner Initial	Cite No. <sup>1</sup>	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number- <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	M	EP 0 905 746 A1	3/31/99	Interniversitair Micro-Elektronica Centrum VZW		<input type="checkbox"/>
	N	EP 0 905 747 A1	3/31/99	Interniversitair Micro-Elektronica Centrum VZW		<input type="checkbox"/>

### Non Patent Literature Documents

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	O	OWA et al. "Immersion lithography; its potential performance and issues", Proceedings of the SPIE, SPIE, Bellingham, VA, US, Vol. 5040, No. 1, February 28, 2003, pages 724-733, XP002294500
	P	LIM et al., "Atomic Layer deposition of transition metals", Department of Chemistry and Chemical Biology, Harvard University, Nature Publishing Group, Volume 2, November 2003, Pages 749-754

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Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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		Number-Kind Code <sup>2</sup> (if known)			
	A	2005/0145268 A1	04/01/04	Woods	
	B	2005/0217703 A1	10/06/05	O'Donnell	
	C	2006/0064895 A1	03/30/06	Garcia et al.	
	D	3,953,265	04/27/76	Hood	
	E	4,367,123	01/04/83	Beck	
	F	4,444,492	04/24/84	Lee	
	G	5,102,494	04/07/92	Harvey et al.	
	H	5,180,431	01/19/93	Sugimoto et al.	
	I	5,343,234	08/30/94	Kuehnle	
	J	5,361,449	11/08/94	Akimoto	
	K	5,472,502	12/05/95	Batchelder	
	L	5,558,111	09/24/96	Lofaro	

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		Country Code <sup>3</sup> -Number- <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	M	JP11031672 (Patent Abstract in English provided)	02/02/99	Hitachi Ltd.		<input type="checkbox"/>
	N	WO 03/014416 A2	02/20/03	Ebara Corporation		<input type="checkbox"/>

### Non Patent Literature Documents

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	O	ICKnowledge LLC, "Technology Backgrounder: Atomic Layer Deposition", ICKnowledge.com, 2004, Pages 1-7
	P	"Chemical vapor deposition", Wikipedia, the free encyclopedia, <a href="http://en.wikipedia.org/wiki/Chemical_vapor_deposition">http://en.wikipedia.org/wiki/Chemical_vapor_deposition</a> , 2005, Page 1-2

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		Number-Kind Code <sup>2</sup> (if known)			
	A	5,893,004	04/06/99	Yamamura	
	B	6,086,454	07/11/00	Watanabe et al.	
	C	6,092,937	07/25/00	Snodgrass et al.	
	D	6,103,636	08/15/00	Zahorik et al.	
	E	6,108,932	08/29/00	Chai	
	F	6,230,722	05/15/01	Mitsumori et al.	
	G	6,417,117	07/09/02	Davis	
	H	6,488,040	12/03/02	De Larios et al.	
	I	6,495,005	12/17/02	Colgan et al.	
	J	6,530,823	03/11/03	Goodarz et al.	
	K	6,550,988	04/22/03	Sugimoto et al.	
	L	6,555,017	04/29/03	Rushford et al.	

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		Country Code <sup>3</sup> -Number- <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	M	WO 99/49504	9/30/99	Nippon Kogaku KK		<input type="checkbox"/>
	N	JP 62150828 A	07/04/87	Mitsubishi Electric Corporation		<input type="checkbox"/>

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	O	SIGMA-ALDRICH, "Atomic Layer Deposition (ALD)", <a href="http://www.sigmaaldrich.com/Area_of_Interest/Chemistry/Materials_Science/Thin_Films">http://www.sigmaaldrich.com/Area_of_Interest/Chemistry/Materials Science/Thin Films</a> , 2005, Pages 1-2
	P	

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	A	6,616,772	09/09/03	De Larios et al.	
	B	6,954,993	10/18/05	Smith et al.	
	C	6,988,326	01/24/06	O'Donnell et al	
	D	6,988,327	01/24/06	Garcia et al.	
	E	7,000,622	02/21/06	Woods et al.	
	F	7,069,937	07/04/06	Garcia et al.	
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	K				
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	N					<input type="checkbox"/>

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